

# LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

<b>GENERAL INFORMATION:</b>		DATE: 2/7/2006 (onsite)	
COUNTY: King & Queen	CONTRACTOR/MUNICIPALITY: Nutri-Blend (Synagro Mid-Atlantic, Inc. - subcontractor land applying)		
NAME (OWNER/OPERATOR): E. Longest site			
INSPECTED BY: Scott Haley (writer)	PERMIT NO: VDH BUR 47		
FIELD NO: T-1447 – Field 1 T-1453 – field 1 & 2A	ACRES: @ 45 total		
OTHERS PRESENT: 2/7/2006 - Mary Powell, Nutri-Blend / Merle Perry, Synagro			
<b>FIELD DATA/OBSERVATIONS:</b>		TIME: 10:00 – 4:00PM	
WEATHER: Clear, light variable winds	SOIL CONDITIONS: moist		
BIOSOLIDS SOURCE(s): Arlington (from storage pad)	BIOSOLIDS TYPE: lime stabilized		
SOIL pH: 6.3 , 6.1 , 6.0	% SOLIDS OF BIOSOLIDS: @ 25		
APPLICATION RATE: T1447 – field 1 - 4.8 dt/ac (15.17 wt/ac) pH rate T1453 - 5.0 dt/ac (15.7 wt/ac) see monthly report			
CROP AND EXPECTED YIELD: corn - PAN 120lb/ac IIIA Prod.			
LOAD TO DATE (WT): see monthly report			
BIOSOLIDS APPLIED:	<input type="checkbox"/> LIQUID	<input checked="" type="checkbox"/> DEWATERED	
MODE OF APPLICATION:	<input checked="" type="checkbox"/> SURFACE	<input checked="" type="checkbox"/> SURFACE W/INCRP.	<input type="checkbox"/> INJECTION
APPLICATION LIMITED BY:	<input checked="" type="checkbox"/> NITROGEN	<input checked="" type="checkbox"/> pH	
	<input type="checkbox"/> MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS)		
	<input type="checkbox"/> MAX. SOLIDS LOADING (15 DRY TONS/ACRE)		
	<input type="checkbox"/> OTHER (SPECIFY):		
<b>FIELD OBSERVATIONS</b>			
	BUFFERS OBSERVED:	YES	NO
	UNIFORM APPLICATION:	X	X*
	PROPER FIELD RECORDS:	X	
	SIGNS OF RUNOFF:		X
	TRUCKS NON-SPILL/WATERTIGHT: n/a		
	CONDITION OF HAUL ROUTE SATISFACTORY:	X	
ODORS PRESENT:	<input type="checkbox"/> NONE	<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> ABOVE NORMAL*
OVERALL CONDITION OF SITE:	<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> FAIR	<input type="checkbox"/> POOR

Comments:

Synagro performed land application as a subcontractor to sites that are permitted by Nutri-Blend, Inc.

2/3/2006

Scott Haley (writer) received call forwarded by Cal Sawyer (DWE) from Christine Breddy (King & Queen County local monitor) concerning a complaint from a local resident, who complained about odor and was concerned about a broodmare.

On 2/1/2006, Arlington and Cox Creek were land applied to T1464 – Field 1 located approximately 3/4 mile N of the complainant's residence. The same day, 2/1, 6 truckloads of Arlington from the storage pad were applied to Tract 1447 -Field 1 located directly to the north of the complainant's property.

Ms. Breddy said that she had been onsite at T1464 on 2/1/2006 (located north of the complainant and Tracts 1447 and 1453) and thought that odors at that site were not strong.

On 2/2/2006, 4 truckloads of Arlington from storage were applied to the same field to finish the field. Synagro also applied to @ 21 acres of Tract 1453 (fields 1 and 2A), directly south of the complainant's property across Rt. 660. Again the source was Arlington from storage.

2/6/2006

Writer spoke with Ed Taylor of MES, who had been to the site. He stated that he had gotten readings of 2dt when the wind was blowing and 4dt (slightly stronger) when the wind became calm briefly.

Onsite personnel of Synagro and personnel of MES describe the odor as ammonia. This may be due to the fact that the Arlington biosolids were recently stored on the pad. Today's discussion indicates that the odor has dissipated, but Christine Breddy says that the complainant is concerned about future applications planned in the area..

2/7/2006

Writer traveled to the site to evaluate odor and to investigate additional complaint of buffer violations. Odors at the site were moderate for the source, and were detected onsite and offsite, along routes 660 and 619 near Cauthornville. These fields scheduled to be no-till for corn in Spring 2006.

\* Buffer setbacks from property lines were not consistent with a surface application. Several areas of application appeared to be within the minimum set-back distance even if incorporation had been performed. Writer checked buffer distances at several points and determined that more information was necessary to determine where property lines were actually located. Writer telephoned Bryan Cauthorn of Synagro and made him aware of the preliminary findings. Writer requested that Synagro incorporate biosolids along property lines for which no waivers had been given, and forward copies of any such waivers to VDH. Writer and Mary Powell of Nutri-Blend traveled to King & Queen Courthouse and met with Christine Breddy, who assisted in obtaining tax maps, landowner names, and locating plats to aid in determining where property lines must be buffered.

Writer and Mary Powell traveled back to the site to measure from property lines to areas of land application to determine where incorporation was necessary. Merle Perry, Field Manager for Synagro, arrived shortly thereafter to discuss the areas in question.

2/8/2006

Writer spoke with the complainant's mother, who also complained about odors and the apparent buffer zone violations.

Writer also spoke with the daughter of another resident, who complained that someone had called her in attempt to obtain a waiver for land application. She was concerned about this and also concerned about possible runoff into a pond and wanted the buffer zone checked.

2/9/2006

Writer returned to the site to re-evaluate odors and to check the property line buffer adjoining the complainant's property. Writer telephoned Synagro and requested that Tract 1447 – Field 1 be entirely incorporated to address the property line buffer zone violation and the moderate odors that were still present. Synagro's field staff arrived and began to incorporate the field.

2/17/2006

Writer returned to the site. Incorporation had been performed. Writer detected slight odor along Rt. 660 from Tract 1453. No odor detected from Tract 1447 offsite.

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Nutri-Blend, Inc.  
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